



Product Brief

AT&T Private CloudSM Solutions

Control, Flexibility and Enterprise-Grade Security Combined in a Private Cloud

If you want the benefits of cloud computing while avoiding many of the concerns of using a public cloud, consider AT&T Private Cloud solutions.

By delivering a virtualized computing infrastructure physically dedicated to your organization, AT&T Private Cloud offers the best of both worlds:

The self-service, flexibility and control of a public cloud with the enhanced security and customization capabilities of a private cloud.

A flexible choice of network, storage and management options helps you meet the needs of specific applications, workloads and industry regulations – expanding your opportunities to leverage the cloud.

You can also build a hybrid cloud solution by connecting private cloud resources with other cloud services, such as the [AT&T Synaptic Compute as a ServiceSM](#) with [VMware vCloud[®] Datacenter Service](#). You get the benefits of hybrid cloud with the simplicity of a single cloud provider.

Performance and Choice

Dedicated computing

AT&T Private Cloud provides a fully dedicated server environment, based on isolated hardware for added security. A virtualization layer allows your applications to share the same set of physical assets.

Once your private cloud is built, you can deploy applications or manage large data sets without procuring and implementing your own servers.

Dedicated resources can give you more control

over computing assets for higher levels of performance. Together with the reliability and availability of AT&T Internet Data Centers, you can have a rock-solid foundation, customized for your most critical applications.

Network and Storage options

With the freedom to choose from dedicated or multi-tenant storage and network resources, you can design the infrastructure that's right for you. For example, instead of investing in dedicated switches, firewalls and load balancers, you can "plug into" the multi-tenant network infrastructure deployed across AT&T Internet Data Centers. Four tiers of storage options let you match capacity to your unique requirements.

Self-Managed or Fully Managed Cloud AT&T Private Cloud solutions offer a choice of two server management options, so you can decide the level of responsibility and control you want over your virtual machine environment:

Self-Managed

Self-service management

Use a web portal to remotely provision, allocate and manage virtualized computing resources in the AT&T Cloud. This can be a good choice if you need the flexibility of allocating on-demand resources to keep up with changing business needs.

You manage the operating system and application layer. AT&T manages the hardware stack up to the hypervisor level. Powerful online reporting, monitoring and alerting tools provide visibility into bandwidth usage, system capacity and utilization, backed by our 24x7 operations and client assurance teams.

Potential Benefits

- Dedicated computing for increased control over resources and enterprise-grade performance
- Flexible choice of storage, network and management options to meet specific needs
- Proactive and preventive security controls to help protect applications and data
- Full lifecycle support services available for your private cloud

Features

- Dedicated, physically isolated servers
- Choice of dedicated or multi-tenant storage and network resources
- Fully managed or self-managed virtual machines
- A web portal for increased control over cloud resources
- Multi-layered security at the computing, storage and network layers
- A pre-tested, pre-integrated configuration, optimized for the cloud
- Predictable costs based on server capacity

Proactive and Preventative Security Controls

Your private cloud solution benefits from layers of security controls, managed by AT&T security experts with the knowledge and insight to help protect your environment:

Network security

Our focus on predictive, preventative and proactive security controls at the network level help protect your private cloud. With a vast global network, we have a broad view of network traffic and threats, backed by 1500+ security professionals who monitor and analyze dozens of petabytes of data every day for a highly secure network environment.

Managed security services

DDoS defense, intrusion detection/prevention and firewall management helps us block malicious traffic in the AT&T network backbone before it can reach the AT&T infrastructure.

Platform security

The dedicated servers in a private cloud provide you with control over who can access, view or manipulate your computing resources and data. Leveraging our robust, industry leading managed security services portfolio, we can design and deploy a private cloud solution that meets your specific security and data protection needs.

Physical security

AT&T Internet Data Centers have layers of protection to help guard against theft, vandalism and environmental threats. We can also provide internal and third-party security assessments for your private cloud infrastructure.

Support a Range of Business

Enterprise IT

- Avoid data center capacity restraints
- Flexible choices in management options
- Control resources efficiently and effectively, so that IT infrastructure is aligned and running seamlessly with the needs of the business
- Seamless integration with other VMWare environments including AT&T Compute as a Service

Business applications

- Provide on-demand resource allocation to meet the needs of internal business units

- Deliver dynamic computing for specific applications, such as bi-weekly payroll processing
- Supported by a solid, predictable, quality tested infrastructure
- Protect application data with the security of dedicated server and network resources

High-performance computing

- Flexibly repurpose resources as needed
- Integrate AT&T Compute as a Service with AT&T Private Cloud for "Cloudbursting"

AT&T: A Total Solution for Cloud

With deep experience in delivering enterprise-grade solutions – backed by our hosting, cloud, security and networking expertise – AT&T can deliver the private cloud solutions you need.

Further, AT&T can provide full lifecycle support for your private cloud. From assessing your needs, design and deployment to on-going management, maintenance and support, we can reduce technology complexity and staff demands, so you can focus on your business.

